Constantini Samara

List of Publications by Year
in descending order

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Version: 2024-02-01

110 papers	7,398 citations	57758 44 h-index	54911 84 g-index
111 all docs	111 docs citations	111 times ranked	8025 citing authors

#	Article	IF	Citations
1	Assessment of the surface water quality in Northern Greece. Water Research, 2003, 37, 4119-4124.	11.3	970
2	Chemical characterization and source identification/apportionment of fine and coarse air particles in Thessaloniki, Greece. Atmospheric Environment, 2002, 36, 949-961.	4.1	381
3	Polycyclic aromatic hydrocarbons in natural waters: sources, occurrence and analysis. TrAC - Trends in Analytical Chemistry, 1999, 18, 417-428.	11.4	380
4	Occurrence and fate of heavy metals in the wastewater treatment process. Chemosphere, 2003, 53, 1201-1210.	8.2	333
5	Polybrominated diphenyl ethers (PBDEs) in the indoor and outdoor environments â€“ A review on occurrence and human exposure. Environmental Pollution, 2012, 169, 217-229.	7.5	281
6	Size distribution of airborne particulate matter and associated heavy metals in the roadside environment. Chemosphere, 2005, 59, 1197-1206.	8.2	227
7	Polycyclic aromatic hydrocarbons in the bulk precipitation and surface waters of Northern Greece. Chemosphere, 2000, 41, 1845-1855.	8.2	173
8	PM10-bound polycyclic aromatic hydrocarbons (PAHs) in the Greater Area of Athens, Greece. Chemosphere, 2005, 59, 593-604.	8.2	171
9	Persistent organic pollutants (POPs) in the sewage treatment plant of Thessaloniki, northern Greece: occurrence and removal. Water Research, 2004, 38, 2685-2698.	11.3	160
10	Chemical composition and mass closure of ambient PM10 at urban sites. Atmospheric Environment, 2010, 44, 2231-2239.	4.1	155
11	Increased Biomass Burning Due to the Economic Crisis in Greece and Its Adverse Impact on Wintertime Air Quality in Thessaloniki. Environmental Science & Technology, 2013, 47, 13313-13320.	10.0	150
12	Levels of total suspended particulate matter and major trace elements in Kosovo: a source identification and apportionment study. Chemosphere, 2005, 59, 669-678.	8.2	148
13	Persistent organic pollutants (POPs) in the conventional activated sludge treatment process: fate and mass balance. Environmental Research, 2005, 97, 245-257.	7.5	137
14	Chemical mass balance source apportionment of PM10 in an industrialized urban area of Northern Greece. Atmospheric Environment, 2003, 37, 41-54.	4.1	135
15	Gas-Particle Partitioning of Polycyclic Aromatic Hydrocarbons in Urban, Adjacent Coastal, and Continental Background Sites of Western Greece. Environmental Science & Technology, 2004, 38, 4973-4978.	10.0	117
16	Assessment of the environmental hazard from municipal and industrial wastewater treatment sludge by employing chemical and biological methods. Ecotoxicology and Environmental Safety, 2005, 62, 397-407.	6.0	115
17	The fate of dissolved organic carbon (DOC) in the wastewater treatment process and its importance in the removal of wastewater contaminants. Environmental Science and Pollution Research, 2007, 14, 284-292.	5.3	107
18	Distribution of persistent organic pollutants, polycyclic aromatic hydrocarbons and trace elements in soil and vegetation following a large scale landfill fire in northern Greece. Environment International, 2008, 34, 210-225.	10.0	102

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19	Polycyclic aromatic hydrocarbons (PAHs) at traffic and urban background sites of northern Greece: source apportionment of ambient PAH levels and PAH-induced lung cancer risk. Environmental Science and Pollution Research, 2016, 23, 3556-3568.	5.3	101
20	Redox activity and inÂvitro bioactivity of the water-soluble fraction of urban particulate matter in relation to particle size and chemical composition. Environmental Pollution, 2016, 208, 774-786.	7.5	100
21	Patterns and sources of particle-phase aliphatic and polycyclic aromatic hydrocarbons in urban and rural sites of western Greece. Atmospheric Environment, 2004, 38, 2545-2560.	4.1	98
22	Mass concentration and elemental composition of indoor PM2.5 and PM10 in University rooms in Thessaloniki, northern Greece. Atmospheric Environment, 2006, 40, 3195-3206.	4.1	98
23	Organic and elemental carbon associated to PM10 and PM2.5 at urban sites of northern Greece. Environmental Science and Pollution Research, 2014, 21, 1769-1785.	5.3	89
24	Dietary intake of trace elements and polycyclic aromatic hydrocarbons via vegetables grown in an industrial Greek area. Science of the Total Environment, 1998, 218, 203-216.	8.0	88
25	A Study of Surface Water Quality in Macedonia, Greece: Speciation of Nitrogen and Phosphorus. Water, Air, and Soil Pollution, 2001, 129, 13-32.	2.4	86
26	Toxicity and heavy metal contamination of surficial sediments from the Bay of Thessaloniki (Northwestern Aegean Sea) Greece. Chemosphere, 2002, 49, 17-26.	8.2	83
27	Spatial and Temporal Variation of PM10Mass Concentrations within the Greater Area of Athens, Greece. Water, Air, and Soil Pollution, 2004, 158, 357-371.	2.4	80
28	Occurrence and Mass Balance of Polycyclic Aromatic Hydrocarbons in the Thessaloniki Sewage Treatment Plant. Journal of Environmental Quality, 1999, 28, 176-187.	2.0	79
29	Polycyclic aromatic hydrocarbons in the ambient air of Greek towns in relation to other atmospheric pollutants. Chemosphere, 1999, 39, 2183-2199.	8.2	78
30	Polycyclic aromatic hydrocarbons in waste waters and sewage sludge: Extraction and clean-up for HPLC analysis with fluorescence detection. Chromatographia, 1996, 43, 135-142.	1.3	77
31	Air and seawater pollution and airâ€“sea gas exchange of persistent toxic substances in the Aegean Sea: spatial trends of PAHs, PCBs, OCPs and PBDEs. Environmental Science and Pollution Research, 2015, 22, 11301-11313.	5.3	69
32	Ionic composition of PM2.5 at urban sites of northern Greece: secondary inorganic aerosol formation. Environmental Science and Pollution Research, 2014, 21, 4995-5006.	5.3	67
33	PM10 composition during an intense Saharan dust transport event over Athens (Greece). Science of the Total Environment, 2011, 409, 4361-4372.	8.0	66
34	Size distribution of trace elements and polycyclic aromatic hydrocarbons in fly ashes generated in Greek lignite-fired power plants. Science of the Total Environment, 2004, 323, 153-167.	8.0	64
35	Chemical mass balance source apportionment of TSP in a lignite-burning area of Western Macedonia, Greece. Atmospheric Environment, 2005, 39, 6430-6443.	4.1	64
36	Fine and Coarse Ionic Aerosol Components in Relation to Wet and Dry Deposition. Water, Air, and Soil Pollution, 2000, 120, 71-88.	2.4	62

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37	Wintertime size distribution of polycyclic aromatic hydrocarbons (PAHs), polychlorinated biphenyls (PCBs) and organochlorine pesticides (OCPs) in the urban environment: Street- vs rooftop-level measurements. Atmospheric Environment, 2009, 43, 290-300.	4.1	62
38	An investigation on the physical, chemical and ecotoxicological characteristics of particulate matter emitted from light-duty vehicles. Environmental Pollution, 2009, 157, 2320-2327.	7.5	61
39	Legacy and novel brominated flame retardants in interior car dustÂâ€“ÂImplications for human exposure. Environmental Pollution, 2017, 230, 871-881.	7.5	59
40	Chemical composition and mass closure of ambient coarse particles at traffic and urban-background sites in Thessaloniki, Greece. Environmental Science and Pollution Research, 2014, 21, 7708-7722.	5.3	57
41	Trace elements in atmospheric particulate matter over a coal burning power production area of western Macedonia, Greece. Chemosphere, 2006, 65, 2233-2243.	8.2	56
42	Source apportionment of the redox activity of urban quasi-ultrafine particles (PM0.49) in Thessaloniki following the increased biomass burning due to the economic crisis in Greece. Science of the Total Environment, 2016, 568, 124-136.	8.0	52
43	Chemical composition of rain in Thessaloniki, Greece, in relation to meteorological conditions. Atmospheric Environment Part B Urban Atmosphere, 1992, 26, 359-367.	0.5	47
44	New insights on humic-like substances associated with wintertime urban aerosols from central and southern Europe: Size-resolved chemical characterization and optical properties. Atmospheric Environment, 2017, 166, 286-299.	4.1	47
45	Concentrations of polybrominated diphenyl ethers (PBDEs) in central air-conditioner filter dust and relevance of non-dietary exposure in occupational indoor environments in Greece. Environmental Pollution, 2014, 188, 64-70.	7.5	46
46	Particle-size distribution of polybrominated diphenyl ethers (PBDEs) in the urban agglomeration of Thessaloniki, northern Greece. Atmospheric Environment, 2015, 104, 176-185.	4.1	45
47	Cytotoxicity and genotoxicity induced inÂvitro by solvent-extractable organic matter of size-segregated urban particulate matter. Environmental Pollution, 2016, 218, 1350-1362.	7.5	45
48	Detection of the marine toxin okadaic acid in mussels during a diarrhetic shellfish poisoning (DSP) episode in Thermaikos Gulf, Greece, using biological, chemical and immunological methods. Science of the Total Environment, 2006, 366, 894-904.	8.0	44
49	Ecotoxicological evaluation of the wastewater treatment process of the sewage treatment plant of Thessaloniki, Greece. Journal of Hazardous Materials, 2007, 141, 614-621.	12.4	44
50	Atmospheric occurrence and gas-particle partitioning of PBDEs at industrial, urban and suburban sites of Thessaloniki, northern Greece: Implications for human health. Environmental Pollution, 2016, 215, 113-124.	7.5	44
51	Composition and mass size distribution of nitrated and oxygenated aromatic compounds in ambient particulate matter from southern and central Europe â€“ implications for the origin. Atmospheric Chemistry and Physics, 2020, 20, 2471-2487.	4.9	43
52	Evaluation of receptor and chemical transport models for PM10 source apportionment. Atmospheric Environment: X, 2020, 5, 100053.	1.4	41
53	Persistent organic pollutants (POPs) in the conventional activated sludge treatment process: Model predictions against experimental values. Chemosphere, 2006, 65, 1634-1641.	8.2	38
54	On the Redox Activity of Urban Aerosol Particles: Implications for Size Distribution and Relationships with Organic Aerosol Components. Atmosphere, 2017, 8, 205.	2.3	36

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55	Comparison of active and passive sampling for the determination of persistent organic pollutants (POPs) in sewage treatment plants. Chemosphere, 2007, 67, 1375-1382.	8.2	35
56	Characterization of airborne particulate matter in thessaloniki, Greece. Toxicological and Environmental Chemistry, 1990, 29, 107-119.	1.2	34
57	Scale-dependent correlations between soil heavy metals and As around four coal-fired power plants of northern Greece. Stochastic Environmental Research and Risk Assessment, 2015, 29, 1531-1543.	4.0	34
58	InÂvitro cellular toxicity induced by extractable organic fractions of particles exhausted from urban combustion sources - Role of PAHs. Environmental Pollution, 2018, 243, 1166-1176.	7.5	34
59	First results of acidic and alkaline constituents determination in air particulates of Thessaloniki, Greece. Atmospheric Environment Part B Urban Atmosphere, 1993, 27, 313-319.	0.5	31
60	Nutrient dynamics in shallow lakes of northern greece. Environmental Science and Pollution Research, 2004, 11, 11-17.	5.3	31
61	Concentrations and source apportionment of PM10 and associated major and trace elements in the Rhodes Island, Greece. Science of the Total Environment, 2012, 432, 12-22.	8.0	31
62	Spatial and seasonal variations of the chemical, mineralogical and morphological features of quasi-ultrafine particles (PM0.49) at urban sites. Science of the Total Environment, 2016, 553, 392-403.	8.0	30
63	Toxic organic substances and marker compounds in size-segregated urban particulate matter - Implications for involvement in the inÂvitro bioactivity of the extractable organic matter. Environmental Pollution, 2017, 230, 758-774.	7.5	29
64	Polycyclic aromatic hydrocarbon contamination and LUMIStoxÂ® solvent extract toxicity of marine sediments in the North Aegean Sea, Greece. Environmental Toxicology, 2002, 17, 556-566.	4.0	26
65	Toxic organic pollutants in Greek house dust: Implications for human exposure and health risk. Chemosphere, 2021, 284, 131318.	8.2	25
66	Fine and ultrafine particle doses in the respiratory tract from digital printing operations. Environmental Science and Pollution Research, 2017, 24, 3027-3037.	5.3	22
67	Size distribution of total and water-soluble fractions of particle-bound elementsâ€"assessment of possible risks via inhalation. Environmental Science and Pollution Research, 2015, 22, 13412-13426.	5.3	21
68	Chemical characterization and receptor modeling of PM10 in the surroundings of the opencast lignite mines of Western Macedonia, Greece. Environmental Science and Pollution Research, 2018, 25, 12206-12221.	5.3	20
69	Oxidative stress, DNA damage, and mutagenicity induced by the extractable organic matter of airborne particulates on bacterial models. Regulatory Toxicology and Pharmacology, 2019, 104, 59-73.	2.7	20
70	Development and application of a robotic chemical mass balance model for source apportionment of atmospheric particulate matter. Environmental Modelling and Software, 2011, 26, 469-481.	4.5	19
71	Perfluoroalkyl substances (PFASs) in air-conditioner filter dust of indoor microenvironments in Greece: Implications for exposure. Ecotoxicology and Environmental Safety, 2019, 183, 109559.	6.0	19
72	Gas/particle partitioning and yield levels of polycyclic aromatic hydrocarbons and n-alkanes in the mainstream cigarette smoke of commercial cigarette brands. Food and Chemical Toxicology, 2006, 44, 1432-1442.	3.6	18

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73	Characterization of airborne particulate matter in Thessaloniki, Greece. Toxicological and Environmental Chemistry, 1994, 41, 221-232.	1.2	17
74	Concentrations and source apportionment of PM10 and associated elemental and ionic species in a lignite-burning power generation area of southern Greece. Environmental Science and Pollution Research, 2013, 20, 7214-7230.	5.3	17
75	Polybrominated diphenyl ethers (PBDEs) in background air around the Aegean: implications for phase partitioning and size distribution. Environmental Science and Pollution Research, 2017, 24, 28102-28120.	5.3	17
76	Effect of rapeseed methylester blending on diesel passenger car emissions â€“ Part 2: Unregulated emissions and oxidation activity. Fuel, 2014, 128, 260-267.	6.4	16
77	Study of polar organic compounds in airborne particulate matter of a coastal urban city. Environmental Science and Pollution Research, 2018, 25, 12191-12205.	5.3	16
78	Size-dependent in vitro inhalation bioaccessibility of PAHs and O/N PAHs - Implications to inhalation risk assessment. Environmental Pollution, 2022, 301, 119045.	7.5	16
79	Preconcentration of trace metals in natural waters with 2,2â€²-dipyridyl-4-amino-3-hydrazino-5-mercapto-1,2,4-triazolehydrazone supported on silica gel. Analytica Chimica Acta, 1985, 174, 305-311.	5.4	14
80	Toxic elements in the environment of thessaloniki, Greece. Toxicological and Environmental Chemistry, 1989, 24, 191-198.	1.2	14
81	Characterization of airborne particulate matter in thessaloniki, Greece. Toxicological and Environmental Chemistry, 1994, 44, 147-160.	1.2	14
82	Nutrient cycling and foliar status in an urban pine forest in Athens, Greece. Plant and Soil, 2007, 294, 31-39.	3.7	14
83	Polycyclic aromatic hydrocarbons and trace elements bounded to airborne PM10 in the harbor of Volos, Greece: Implications for the impact of harbor activities. Atmospheric Environment, 2017, 167, 61-72.	4.1	14
84	Indoor concentrations of PM2.5 and associated water-soluble and labile heavy metal fractions in workplaces: implications for inhalation health risk assessment. Environmental Science and Pollution Research, 2020, 28, 58983-58993.	5.3	14
85	Local deposition of mercury in topsoils around coal-fired power plants: is it always true?. Environmental Science and Pollution Research, 2014, 21, 10205-10214.	5.3	13
86	Determination of Okadaic Acid and Related Toxins in Greek Mussels by HPLC with Fluorimetric Detection. Journal of Liquid Chromatography and Related Technologies, 2004, 27, 2153-2166.	1.0	12
87	Ultrastructural alterations in the mouse lung caused by real-life ambient PM10 at urban traffic sites. Science of the Total Environment, 2015, 532, 327-336.	8.0	12
88	Detection of lead in blood, seminal plasma, and spermatozoa of bulls. Effectin vitro of lead acetate on sperm motility. Bulletin of Environmental Contamination and Toxicology, 1990, 45, 824-828.	2.7	11
89	A comparative study on the recovery of polycyclic aromatic hydrocarbons from fly ash and lignite coal. Environmental Science and Pollution Research, 2003, 10, 354-356.	5.3	11
90	Commuter exposure to particle-bound polycyclic aromatic hydrocarbons in Thessaloniki, Greece. Environmental Science and Pollution Research, 2020, 28, 59119-59130.	5.3	11

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91	Odor-active volatile organic compounds along the seafront of Thessaloniki, Greece. Implications for sources of nuisance odor. Science of the Total Environment, 2021, 799, 149388.	8.0	11
92	Groundwater quality in the major industrial area of Thessaloniki, Greece part 2: Heavy metal distributionâ€source identification. Toxicological and Environmental Chemistry, 1994, 45, 105-119.	1.2	10
93	Submicron particle number doses in the human respiratory tract: implications for urban traffic and background environments. Environmental Science and Pollution Research, 2018, 25, 33724-33735.	5.3	10
94	Morphological and geochemical characterization of the particulate deposits and the black crust from the Triumphal Arch of Galerius in Thessaloniki, Greece: Implications for deterioration assessment. Science of the Total Environment, 2020, 734, 139455.	8.0	8
95	Spatiotemporal variation of odor-active VOCs in Thessaloniki, Greece: implications for impacts from industrial activities. Environmental Science and Pollution Research, 2021, 28, 59091-59104.	5.3	7
96	Mass dose rates of particle-bound organic pollutants in the human respiratory tract: Implications for inhalation exposure and risk estimations. International Journal of Hygiene and Environmental Health, 2021, 234, 113710.	4.3	7
97	Inter-laboratory comparison of ED-XRF/PIXE analytical techniques in the elemental analysis of filter-deposited multi-elemental certified reference materials representative of ambient particulate matter. Science of the Total Environment, 2021, 780, 146449.	8.0	7
98	Bis(trifluoroacetoxy)iodobenzene, a new oxidant in potentiometric titrations. Microchemical Journal, 1984, 29, 232-236.	4.5	6
99	Acid rain in northern Greece. Toxicological and Environmental Chemistry, 1988, 16, 111-118.	1.2	5
100	Groundwater quality in the major industrial area of Thessaloniki, Greece part 1: Chemical compositionâ€geochemical processes. Toxicological and Environmental Chemistry, 1993, 38, 145-156.	1.2	5
101	Nutrients in litterfall, forest floor and mineral soils in two adjacent forest ecosystems in Greece. Journal of Forestry Research, 2020, 31, 291-301.	3.6	5
102	A novel synthesis, characterization and application of an anionic Cr-complexed azo dye based on environmental considerations. Textile Reseach Journal, 2012, 82, 2054-2061.	2.2	4
103	An iterative method for evaluating the inter-comparability between chemical mass balance and multivariate receptor models. Chemometrics and Intelligent Laboratory Systems, 2016, 155, 97-108.	3.5	4
104	Chemometric approach to study rain composition from the region of Thessaloniki, Greece. Toxicological and Environmental Chemistry, 1994, 46, 97-106.	1.2	3
105	Determination of selected polynuclear aromatic hydrocarbons in waste water and sludge samples by HPLC with fluorescence detection. Toxicological and Environmental Chemistry, 1995, 48, 89-102.	1.2	3
106	Mass closure of total suspended particles over the coal burning power production area of western Macedonia, Greece. Journal of Atmospheric Chemistry, 2008, 59, 171-186.	3.2	3
107	Innovative aspects of environmental chemistry and technology regarding air, water, and soil pollution. Environmental Science and Pollution Research, 2021, 28, 58958-58968.	5.3	3
108	Interpretation of air particulate data from thessaloniki, Greece using multivariate statistics. Toxicological and Environmental Chemistry, 1995, 52, 77-84.	1.2	2

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109	Analysis of Organic Particulate Matter. Handbook of Environmental Chemistry, 1995, , 233-251.	0.4	2
110	2,2â€²-Dipyridyl-4-amino-3-hydrazino-5-mercapto-1,2,4-triazolehydrazone: A new reagent for the spectrophotometric determination of cobalt and for the titration of copper. Microchemical Journal, 1986, 33, 252-255.	4.5	1